

EMP-168



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Chemistry Analyzer



EMP-168 Chemistry Analyzer

Features:

- * Windows based user-friendly interface.
- * W 7" TFT adjustable LCD with Back Light.
- * Air purge between samples to avoid carry over.
- * Support RS-232, USB, Ethernet and SD card.
- * External Temperature controlled 10 positions incubator (37°C)

Friendly Interface:

- * Windows CE.NET operation system.
- * Angle adjustable LCD.
- * Built-in printer and optional external printer.
- * USB mouse, virtual screen keyboard, and a built-in membrane keyboard.
- * Connect PC via RS-232 to transfer and print the data

Measure system:

- * Absorbance, Single standard, Differential samples.
- * Factor mode, Kinetic mode (Continuously or simultaneously).
- * Immunity Nephelometry measure method.
- * Reagent blank and a sample blank.
- * Multi-standards (linear or none – linear)
- * Memory for reagent blank

Flow Cell/ Cuvette:

- * 21µl quartz flow cell.
- * Built-in bottom position localizer.
- * Two-holder for cuvette/ flow cell.
- * Peltier temperature controlled high precision micro flow cell.
- * Vacuum pump at 18 cm of Hg
- * Thermostatically Controlled Cuvette holder at 25°C, 30°C & 37°C

Optical System:

- * Halogen Tungsten lamp with automatic lamp saver.
- * 8 positions filter- wheel.
- * 6 filters (340nm-700nm) plus 2 free positions.

Powerful Software:

- * Power on self-check and malfunction alarm.
- * Lamp automatic protection, user-defined setting time.
- * Real time absorbance curve and temperature display.
- * Open system for the reagent.
- * Support online printing.
- * Multiform reports by project, patient or history data.
- * Support user-defined template test.

Specification:

Optics	340, 405, 505, 545, 580, 630nm, Two more optional filter
Light source	Halogen tungsten 6V/10W
Resolution	0.001Abs
Photometric range	0.000-3.500Abs
Director	Silicon photo diode
Stability of absorbency	Changes< 0.005 Abs per hour
Repeat ability	CV< 0.5%
Carry over	<1%
Linearity	R>0.999
Flow cell	21 µl with Peltier temperature control (25° C, 30°C, 37°C)
Aspiration Volume	250 µl (min)
Purge	Vacuum pump at 18 cm of Hg
Display	7" TFT LCD
Memory	200 test programs and over 100,000 test results
Printer	Built-in thermal printer 55 column & optional external printer
Data Communication	RS-232, SD card and USB
CPU	High speed embedded processor
Power supply	100-240VAC, 50/60Hz
Weight	7 Kg
Dimension (mm)	420(L) x 310(W) x152 (H)